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WATER SUPPLY OUTLOOK FOR OREGON



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with
OREGON DEPARTMENT OF WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JUNE 1, 1978

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR OREGON

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued

JUNE 8, 1978

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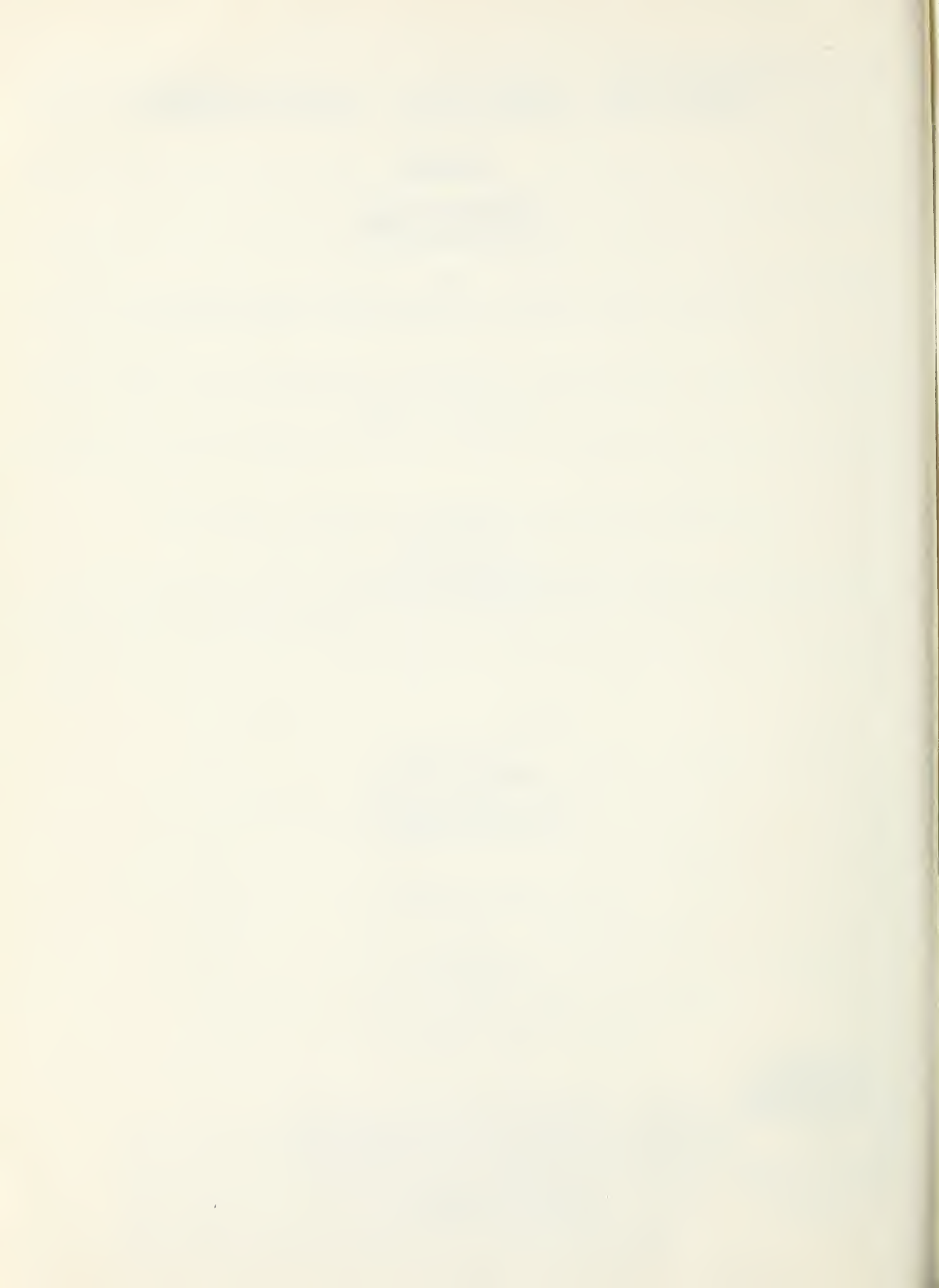
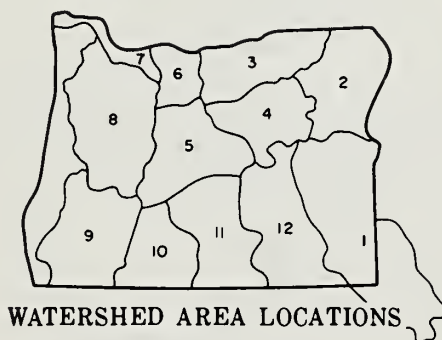


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WATER SUPPLY OUTLOOK for OREGON

J U N E 1 , 1 9 7 8

Most areas of Oregon will have adequate water supplies with the exception of a few local areas relying on late season direct stream channel diversion.

SNOW COVER

Significant snow cover is now generally restricted to elevations higher than 5000 to 5500 feet in the Cascades, Siskiyou, Elkhorns and Wallowas. Only a few representative snow courses were measured on June 1 and the snow water equivalent on those having snow ranged from 30% to 85% of average. Most snow courses were bare.

PRECIPITATION

May precipitation was below normal in all areas of the state except the Willamette watersheds which was 118% of average. South central and southeastern Oregon received about 50% of the normal May precipitation. Other areas of the state range from 66% to 98% of normal.

RESERVOIR STORAGE

Reservoir storage is generally good throughout Oregon. Using twenty-six reservoirs as an index, storage is 84% of capacity and 107% of average for June 1.

STREAMFLOW

Observed streamflow in May was below average on most streams reported. One notable exception was Owyhee Dam inflow which was 165% of normal. Other examples are:

-continued on next page-

STREAMFLOW (Cont.)

<u>Stream</u>	<u>% of May Average</u>
Chewaucan @ Paisley	87
John Day @ Service Cr.	81
Deschutes @ Moody	96
Grande Ronde @ La Grande	86
Willamette, Mid Fk. nr Oakridge	69
Umpqua nr Elkton	66
Rogue @ Raygold	63
Klamath Lake inflow	93
Williamson	82
Silvies nr Burns	101

Streamflow forecasts for the May-September period range from 45% to 150%. Most forecasts are for below average flow. Some representative forecasts are:

<u>Stream</u>	<u>Period</u>	<u>Forecast % 1958-72 Avg.</u>
Owyhee net inflow	May-Sept	117
Malheur Nr Drewsey	May-Sept	85
Deschutes @ Benham Falls	May-Sept	76
Grande Ronde @ La Grande	May-Sept	84
Willamette, Mid. Fk. nr Oakridge	May-Sept	71
Upper Klamath Lake inflow	May-Sept	85
Rogue nr Raygold	May-Sept	67
Silvies nr Burns	May-Sept	90



This report contains data furnished by the Oregon Department of Water Resources, U.S. Geological Survey, NOAA National Weather Service and other cooperators.

JUNE 1, 1978

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
OWYHEE, MALHEUR WATERSHEDS					
Bully Creek	50	381	March-May		13.1
Malheur near Drewsey	27	85	May-July		32
	28	85	May-Sept		33
Malheur, North Fork at Beulah	32	92	May-July		35
	37	92	May-Sept		40
Owyhee Reservoir net Inflow	188	120	May-July		157
	211	117	May-Sept	72	180
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS					
Bear near Wallowa	59	102	May-Sept		58
Burnt near Hereford	14.5	105	May-July		13.8
	15.5	105	May-Sept		14.8
Catherine near union	52	98	May-Sept		53
Eagle Creek abv. Skull Creek	146	96	May-July		152
	161	97	May-Sept		166
Grand Ronde at La Grande	78	84	May-July	41	92
	81	84	May-Sept	45	96
Hurricane near Joseph	47	105	May-Sept		44
Imnaha at Imnaha	266	105	May-Sept		253
Lostine near Lostine	111	95	May-Sept		117
Powder near Sumpter	38	95	May-July		40
	39	95	May-Sept		41
Wallowa, East Fork near Joseph	8.7	102	May-July		8.5
	10.9	102	May-Sept		10.7
Wallowa near Joseph	76	109	June-July		70
Wolf Creek Dam Inflow	5.5	72	May-June		7.6
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS					
Birch Creek at Rieth	3.9	55	May- July		7.1
McKay near Pilot Rock	4.8	55	May-Sept		8.8
Umatilla near Gibbon	21	53	May- July		39
	27	60	May-Sept		45
Umatilla at Pendleton	41	60	May- July		68
Walla Walla, South Fork near Milton	44	86	May-Sept		51
Butter Creek near Pine City	2.0	60	May-July		3.4
UPPER JOHN DAY WATERSHEDS					
Camas Creek near Ukiah	12.9	80	May-July		16.2
	13.3	80	May-Sept		16.7
John Day, Middle Fork at Ritter	56	80	May- July		67
	57	80	May-Sept		70
John Day, North Fork at Monument	272	80	May- July		340
	283	80	May-Sept		354
Strawberry near Prairie City	5.5	85	May-July		6.5
	6.1	85	May-Sept		7.2
UPPER DESCHUTES, CROOKED WATERSHEDS					
Beaver Creek near Paulina	4.8	110	May-July		4.4
	5.1	110	May-Sept		4.6
Crane Prairie Reservoir total inflow	28	44	May-July		64
	47	45	May-Sept		105
Crescent at Crescent Lake	5.1	33	May-July		15.6
	5.3	27	May-Sept		19.6
Crooked near Post	35	110	May-July		32
Deschutes at Benham Falls	214	76	May-July		281
	380	81	May-Sept		471
Deschutes below Snow Creek	44	79	May-Sept		56
Deschutes, Little near La Pine	33	55	May-July		53
	42	51	May-Sept		63
Ochoco Reservoir net Inflow	10.1	110	May-Sept		9.2
Odell near Crescent	14.3	62	May-Sept		23
Squaw near Sisters	43	93	May-Sept		46
Tumalo near Bend	33	84	May-Sept		39

† 1958-1972 period.

JUNE 1, 1978

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS					
Hood, West Fork near Dee	56	66	May-July		85
	78	73	May-Sept		107
White below Tygh Valley	49	63	May-July		79
	59	62	May-Sept		94
LOWER COLUMBIA WATERSHEDS					
Columbia at the Dalles *	9,870	94	Apr-Sept		--
Sandy River near Marmot	163	72	May-July		227
	221	78	May-Sept		282
WILLAMETTE WATERSHEDS					
Clackamas at Estacada	268	60	May-July		447
	338	60	May-Sept		562
Clackamas above Three Lynx	223	65	May-July		343
	290	66	May-Sept		440
McKenzie at McKenzie Bridge	230	70	May-July		329
	355	75	May-Sept		474
McKenzie near Vida	504	70	May-July		720
	710	75	May-Sept		947
McKenzie, So, Fork near Rainbow	101	72	May-July		140
	131	77	May-Sept		169
Oak Grove Fork above Power Intake	58	65	May-July		89
	83	65	May-Sept		128
Row near Dorena	37	70	May-July		53
	41	70	May-Sept		58
Santiam, North at Mehama	345	70	May-July		493
	429	72	May-Sept		600
Santiam, South at Waterloo	226	70	May-July		323
	275	72	May-Sept		382
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	304	66	May-July	355	462
	398	71	May-Sept	432	562
Willamette, No. Fk. of Mid. Fk. near Oakridge	79	65	May-July		121
	97	68	May-Sept		141
Willamette at Salem	1,886	72	May-July		2,619
	2,278	72	May-Sept		3,615
ROGUE, UMPQUA WATERSHEDS					
Applegate near Copper	65	80	May-July		81
	70	80	May-Sept		87
Clearwater above Trap Creek	49	85	May-Sept		57
Fourmile Lake net Inflow	2.4	80	May-July		3.0
Hyatt Reservoir net Inflow	1.1	48	May-July		2.2
Illinois River near Kerby	77	85	May-July		91
	82	85	May-Sept		97
Little Butte, N. Fk. at Fish Lake nr. Lake Cr.	8.6	75	May-Sept		11.6
Little Butte, S. Fk. near Lake Creek	10.5	65	May-July		16.1
	12.0	65	May-Sept		18.4
Rogue above Prospect	118	64	May-July		184
	160	67	May-Sept		239
Rogue, South Fork near Prospect	27	60	May-July		46
	33	59	May-Sept		56
Rogue at Raygold near Central Point	317	64	May-July	301	493
	434	67	May-Sept	429	648
Rogue at Grants Pass	415	66	May-Sept		627
Umpqua, No. blw. Lemolo Res. nr. Toketee Falls *	118	85	May-Sept		139
KLAMATH WATERSHEDS					
Clear Lake Reservoir Inflow	12.1	80	May-Sept		15.1
Gerber Reservoir Inflow	3.8	80	May-Sept		4.8
Sprague near Chiloquin	124	75	May-Sept		166
Upper Klamath Lake net Inflow	300	85	May-Sept	223	353
Williamson below Sprague River	230	80	May-Sept	190	287
* NWS Forecast					

* NWS Forecast

† 1958-1972 period.

JUNE 1, 1978

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS			THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET		
	Thousand Acre Feet	Percent of Average		Last Year	Average †	
LAKE COUNTY, GOOSE LAKE WATERSHEDS						
Chewaucan near Paisley	48	85	May-July	6.7	56	
	51	85	May-Sept	9.1	60	
Deep above Adel	37	85	May-July		43	
	38	85	May-Sept		45	
Drews Reservoir net Inflow	7.7	80	May-July		9.7	
Honey Creek near Plush	9.0	80	May-July		11.3	
	9.1	80	May-Sept		11.4	
Silver Creek near Silver Lake	7.5	70	May-July		10.7	
Twentymile near Adel	10.0	90	May-Sept		11.1	
HARNEY BASIN WATERSHEDS						
Donner und Blitzen near Frenchglen	41	110	May-July		37	
	44	105	May-Sept		42	
Silver near Riley	4.1	85	May-July		5.1	
Silvies River near Burns	30	90	May-July	4.3	33	
	32	90	May-Sept	8.4	35	
Trout Creek near Denio	8.7	150	May-July		5.8	
	9.3	150	May-Sept		6.2	

(a) Estimated

(b) 1958-72 adjusted average

(c) 1958-72, 15 year average.

(d) Corrected to natural flow.

(e) Not scheduled.

(a) Estimated (b) 1958-72 adjusted average (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

† 1958-1972 period.

JUNE 1, 1978

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
OWYHEE, MALHEUR WATERSHEDS				
Beulah Reservoir	60.0	51.0	21.2	49.0
Bully Creek	30.0	27.7	10.6	21.4
Owyhee	715.0	710.9	429.8	549.9
Warmsprings	191.0	155.3	54.0	136.2
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS				
Phillips Lake	73.5	59.5	38.3	--
Thief Valley	17.4	17.4	14.0	16.7
Unity	25.2	24.7	10.7	22.8
Wallowa Lake	37.5	36.6	34.7	30.2
Wolf Creek	10.4	11.1	7.6	--
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS				
Cold Springs	50.0	44.9	26.5	47.8
McKay	73.8	67.9	31.0	60.7
UPPER DESCHUTES, CROOKED WATERSHEDS				
Crane Prairie	55.3	44.2	29.0	38.0
Crescent Lake	86.9	54.6	64.7	54.3
Ochoco	47.5	46.5	21.4	35.9
Prineville	153.0	153.0	102.2	146.0
Wickiup	200.0	174.0	177.6	165.9
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS				
Clear Lake (Wasco)	11.9	4.7	4.3	5.8
WILLAMETTE WATERSHEDS				
Blue River	85.6*	80.7	79.7	--
Cottage Grove	30.0*	28.8	29.0	27.3
Cougar	155.2*	124.3	145.9	141.2
Detroit	299.9*	242.6	287.9	281.1
Dorena	70.5*	67.8	66.8	64.3
Fall Creek	115.0*	96.4	109.3	108.1
Fern Ridge	94.2*	89.7	47.3	89.5
Foster	30.0*	65.8	25.0	24.6
Green Peter	270.0*	236.3	253.8	250.9
Hills Creek	200.0*	195.7	127.4	185.6
Lookout Point	337.2*	198.7	246.9	306.3
Timothy Lake	61.7	61.0	26.9	61.4
Henry Hagg Lake	53.0	53.4	34.7	--
* Multiple purpose reservoir--space reserved primarily for flood runoff.				

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72,

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
ROGUE, UMPQUA WATERSHEDS				
Emigrant Lake	39.0	35.9	31.3	35.2*
Fish Lake	8.0	4.8	6.9	6.5
Fourmile Lake	16.1	6.0	11.8	11.9
Howard Prairie	60.0	50.1	33.9	48.6
Hyatt Prairie	16.1	14.2	11.0	14.7
Lost Creek	315.0	314.3	--	--
* Average for years of record (in base period) after re-construction.				
KLAMATH WATERSHEDS				
Clear Lake	440.2	223.5	192.6	258.0
Gerber	94.0	64.1	28.9	63.8
Upper Klamath Lake	584.0	496.6	476.2	534.7
LAKE COUNTY, GOOSE LAKE WATERSHEDS				
Cottonwood	8.7	8.9	1.8	7.0*
Drews	63.0	59.8	20.2	53.1
Thompson Valley	19.5	17.8	7.5	--
* Average for years of record (in base period) after re-construction.				

15 year average. (d) Corrected to natural flow. (e) Not scheduled.

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

+ 1958=1972 period.

JUNE 1, 1978

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches)	
				Last Yr.	Ave†
Annie Spring	5/31	43	22.6	0.0	--
Billie Cr. Divide	5/26	0	0.0	0.0	0.0
Billie Cr. Div. Pilw.	5/26	T	0.1	0.0	--
Billie Cr. Div. Pilw.	5/26	--	0.0	0.1	--
Cascade Summit	5/30	0	0.0	2.2	7.5
Clear Lake	5/31	0	0.0	0.0	0.0
Clear Lake Expt.	5/31	--	0.0	0.0	0.5
Cold Springs	5/30	21	9.2	1.0	13.5
Cold Springs Pilw.	5/30	0	0.0	--	--
Cold Springs Pilw.	5/30	--	0.0	--	--
Diamond-Ctr. Sum. Rev.	5/31	13	6.4	0.0	14.1
Diamond Lake	5/31	0	0.0	0.0	3.2
Fourmile Lake	4/26	0	0.0	0.0	--
Fourmile Lake Pilw.	4/26	21	9.3	--	--
Fourmile Lake Pilw.	4/26	--	6.5	0.0	--
High Ridge	5/30	0	0.0	--	--
Hogg Pass	6/1	15	6.5	7.3	22.7
Hogg Pass Pilw.	6/1	--	1.4	--	--
Hungry Flat	5/30	0	0.0	0.0	0.0
Jump-Off-Joe Pilw.	6/1	--	0.0	--	--
Lookout Point Dam	5/30	0	0.0	--	--
Marion Forks	6/1	0	0.0	0.0	0.0
Marion Forks Pilw.	No Report				
McCredie Springs	5/30	0	0.0	--	--
Mt. Hood Test Site	6/1	72	35.7	--	--
Mt. Hood Test Site	6/1	--	33.2	--	--
Mud Ridge Pilw.	5/31	0	0.0	0.7	--
Mud Ridge Pilw.	5/31	--	0.0	0.0	--
New Dutchman #2	5/30	45	22.4	9.2	40.0
Park Headquarters	5/31	78	41.0	15.0	--
Quartz Mountain	6/2	0	0.0	0.0	0.0
Railroad Overpass	5/30	0	0.0	0.0	0.0
Salt Creek Falls	5/30	0	0.0	0.0	1.1
Santiam Junction	6/1	0	0.0	0.1	0.3
Santiam Junc. Pilw.	6/1	--	0.0	--	--
Still Creek	5/31	0	0.0	0.0	4.6
Tangent	5/30	0	0.0	0.0	0.0
T Trace					

SNOW

[illegible]

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average (d) Corrected to natural flow. (e) Not scheduled.

† 1958-1972 period.

JUNE 1, 1978

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average †
OWYHEE, MALHEUR WATERSHEDS							
Bear Creek (Nev.)	7800	72	16.8		e		
Big Bend (Nev.)	6700	48	16.7		e		
Blue Mountain Spring	5900	42	16.9		e	10.1	12.8
Mud Flat (Ida.)	5500	48	12.8		e		
Rodeo Flat (Nev.)	6800	42	11.0		e		
Taylor Canyon (Nev.)	6200	48	15.1		e		
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS							
Blue Mountain Summit	5100	36	16.8		e		15.2
Dooley Mountain	5430	36	9.2	5/30	6.4	2.8	5.7
Emigrant Springs	3925	48	22.3		e		20.7
Ladd Summit	3730	48	18.9	5/30	13.1	9.9	12.1
Moss Springs	5850	36	25.8		e		16.6
Tollgate	5070	48	23.6		e		19.4
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8	5/31	13.2	10.8	12.6
Emigrant Springs	3925	48	22.3		e		20.7
Tollgate	5070	48	23.6		e		19.4
UPPER JOHN DAY WATERSHEDS							
Battle Mountain Summit	4340	48	13.8	5/31	13.2	10.8	12.6
Blue Mountain Spring	5900	42	16.9		e	10.1	12.8
Blue Mountain Summit	5100	36	16.8		e		15.2
Derr	5670	24	9.0	5/24	9.0	9.0	8.5
Marks Creek	4540	36	14.1	5/31	13.2	12.1	13.2
Snow Mountain	6300	48	16.7	6/6	15.1	--	15.7
Starr Ridge	5150	36	10.6	5/31	10.5	10.6	10.3
UPPER DESCHUTES, CROOKED WATERSHEDS							
Derr	5670	24	9.0	5/24	9.0	9.0	8.5
Marks Creek	4540	36	14.1	5/31	13.2	12.1	13.2
Snow Mountain	6300	48	16.7	6/6	15.1	--	15.7
KLAMATH WATERSHEDS							
Quartz Mountain	5230	48	15.3	6/2	9.9	14.6	9.7
LAKE COUNTY, GOOSE LAKE WATERSHEDS							
Camas Creek	5720	42	14.5	6/6	12.6	10.6	12.6
Quartz Mountain	5230	48	15.3	6/2	9.9	14.6	9.7
HARNEY BASIN WATERSHEDS							
Blue Mountain Spring	5900	42	16.9		e	10.1	12.8
Silvies	6900	48	16.4		e		
Snow Mountain	6300	48	16.7	6/6	15.1	--	15.7
Starr Ridge	5150	36	10.6	5/31	10.5	10.6	10.3
Willow-Bald	5000	24	6.6	6/6	6.5	5.8	5.6
(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average (d) Corrected to natural flow (e) Not scheduled.							

(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average (d) Corrected to natural flow: (e) Not scheduled.

JUNE 1, 1978

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION		CURRENT INFORMATION		PAST RECORD	
		ELEVATION	Date of Reading	Precipitation	Last Year
					Average [†]
Billie Creek Divide (Jackson County)		5300	From 4/25 To 5/26	4.92"	
Cold Springs (Klamath County)		6100	From 4/24 To 5/30	6.36"	
Derr (Wheeler County) **		5800	From 3/28 To 5/24	6.50"	
High Ridge (Umatilla County)		4150	From 4/27 To 5/30	3.84"	
Hogg Pass (Jefferson County)		4755	From 4/28 To 6/1	5.64"	
Jump-Off-Joe (Linn County)		3400	From 4/28 To 6/1	6.72"	
Marks Creek (Crook-Wheeler Cos.)		4540	From 4/28 To 5/31	1.00"	
Mt. Hood Test Site (Clackamas County)		5555	From 4/27 To 6/1	6.12"	
Mud Ridge (Clackamas County)		3800	From 4/28 To 5/31	.60"	
Quartz Mt. Summit (Lake County)		6300	From 4/27 To 6/1	2.00"	
Santiam Junction (Linn County)		3750	From 4/28 To 6/1	.96"	
<p>** National Weather Service Report</p>					
<p>(a) Estimated. (b) 1958-72 adjusted average. (c) 1958-72, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.</p>					

† 1958-1972 period.

ERRATA: 1978 SNOW PILLOW MANOMETER READINGS CORRECTED FOR ADJUSTED
ZERO READINGS

PILLOW SITE	REPORT	WATER CONTENT (IN.)
Billie Creek Divide		
Previous Reading	January	6.4
Correct Data	January	5.8
Previous Reading	February	12.2
Correct Data	February	11.6
Previous Reading	March	16.3
Correct Data	March	15.7
Previous Reading	April	12.3
Correct Data	April	11.7
Previous Reading	May	7.3
Correct Data	May	6.7
Cold Springs		
Previous Reading	February	13.6
Correct Data	February	13.9
Previous Reading	March	18.8
Correct Data	March	19.4
Previous Reading	April	16.8
Correct Data	April	17.7
Previous Reading	May	14.7
Correct Data	May	16.0
Mud Ridge		
Previous Reading	January	2.6
Correct Data	January	2.9
Previous Reading	February	6.6
Correct Data	February	7.2
Previous Reading	March	7.7
Correct Data	March	8.6
Previous Reading	March	8.9
Correct Data	March	10.1
Previous Reading	April	4.1
Correct Data	April	5.5

ERRATA: 1978 RESERVOIR STORAGE MEASUREMENTS PUBLISHED IN ERROR

RESERVOIR NAME	REPORT	USABLE STORAGE
Timothy Lake		
Previously Published	January	60.3
Correct Data	January	56.3

ERRATA: 1978 SOIL MOISTURE MEASUREMENTS PUBLISHED IN ERROR

SOIL MOISTURE STATION	REPORT	AVERAGE
Emigrant Springs		
Previously Published	April	2.0
Correct Data	April	21.0

ERRATA: 1978 SNOW (WATER CONTENT) MEASUREMENTS PUBLISHED IN ERROR

SNOW COURSE	REPORT	WATER CONTENT (IN.)
High Ridge Pillow		
Previously Published	February	16.2
Correct Data	February	13.1

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